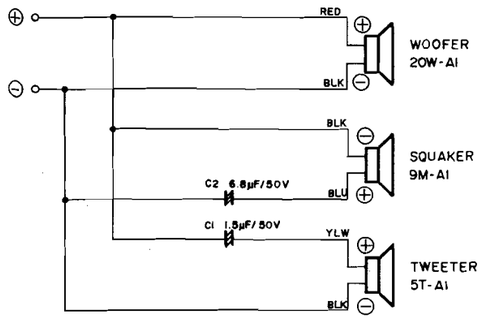
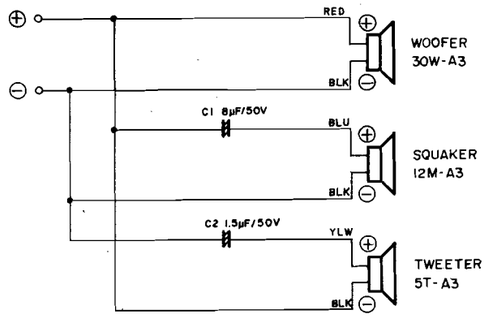
III. SCHEMATIC DIAGRAM

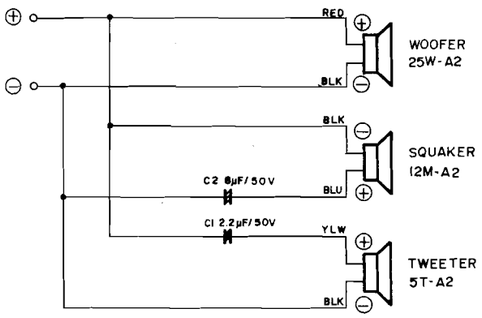
MODEL SW–A1



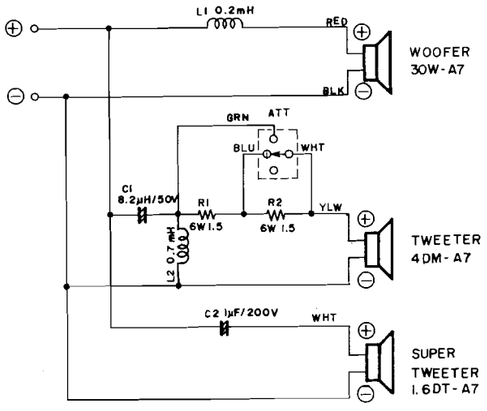
MODEL SW–A2



MODEL SW–A3



MODEL SW–A7



AKAI ELECTRIC CO., LTD.
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SW-A1/A2
SW-A3/A7
SW-A1/A2
SW-A3/A7

AKAI SERVICE MANUAL

3 WAY 3 SPEAKER SYSTEM

MODEL SW-A1/A2/A3/A7

I. SPECIFICATIONS

ITEM \ MODEL NAME	SW–A1	SW–A2
SYSTEM	3 way, 3 speakers	3 way, 3 speakers
RATED IMPEDANCE	8 ohms	8 ohms
RATED POWER INPUT	45 W (DIN)	60 W (DIN)
MAXIMUM POWER INPUT	80 W	100 W
OUTPUT SOUND PRESSURE LEVEL	90 dB/W at 1m	92 dB/W at 1m
FREQUENCY RESPONSE	70Hz to 20kHz	50Hz to 20kHz
CROSS-OVER FREQUENCY	3kHz, 15kHz	2.5kH, 10kHz
CROSS-OVER NETWORK		
Woofer		
Squaker	6dB/oct	6dB/oct
Tweeter	6dB/oct	6dB/oct
Super Tweeter	–	–
SPEAKERS		
Woofer	20cm (8”), Cone type	25cm (10”), cone type
Squaker	9cm (3-3/5”), cone type	12cm (4-4/5”), cone type
Tweeter	5cm (2”), cone type	5cm (2”), cone type
Super Tweeter	–	–
CABINET DIMENSIONS	280(W) x 610(H) x 232(D) mm (11.2 x 24.4 x 9.3 inches)	320(W) x 720(H) x 255(D) mm (12.8 x 28.8 x 10.2 inches)
GRILLE PANEL	Fixed Grille	Removable Grille
ENCLOSURE TYPE	Bass reflex type	Bass reflex type
WEIGHT	6.7kg (14.8 lbs)	10.4kg (22.9 lbs)

ITEM \ MODEL NAME	SW–A3	SW–A7
SYSTEM	3 way, 3 speakers	3 way, 3 speakers
RATED IMPEDANCE	8 ohms	6 ohms
RATED POWER INPUT	80 W (DIN)	100 W (DIN)
MAXIMUM POWER INPUT	130 W	180 W
OUTPUT SOUND PRESSURE LEVEL	92 dB/W at 1m	92 dB/W at 1m
FREQUENCY RESPONSE	60Hz to 20kHz	40Hz to 23kHz
CROSS-OVER FREQUENCY	2.5kH, 13kHz	3kHz, 10kHz
CROSS-OVER NETWORK		
Woofer		–6dB/oct
Squaker	6dB/oct	–
Tweeter	6dB/oct	12dB/oct
Super Tweeter	–	6dB/oct
SPEAKERS		
Woofer	30cm(12”), Cone type	30cm(12”), Cone type
Squaker	12cm(4-4/5”), Cone type	–
Tweeter	5cm (2”), Cone type	4cm (1-3/5”), Dome type
Super Tweeter	–	1.6cm (3/5”), Dome type
CABINET DIMENSIONS	360(W) x 750(H) x 255(D) mm (14.4 x 30.0 x 10.2 inches)	370(W) x 680(H) x 309(D) mm (14.8 x 27.2 x 12.4 inches)
GRILLE PANEL	Removable Grille	Removable Grille
ENCLOSURE TYPE	Bass reflex type	Bass reflex type
WEIGHT	12kg (26.5 lbs)	13.4kg (29.5 lbs)

II. PARTS LIST

MODEL SW–A1

REF. NO.	PARTS NO.	DESCRIPTION
1	SS-713382	SPEAKER WOOFER 20W-A1 7 OHMS 200MM
2	SS-713383	SPEAKER MID RANGE 9M-A1 8 OHMS 87MM
3	SS-713385	SPEAKER TWEETER 5T-A1 7 OHMS 57MM
4	ZS-713386	WS BID30x10CMT (9M-A1/5T-A1 SET SCREW)
5	ZS-713387	WS BID30x13BZN (TERMINAL SET SCREW)
6	ZW-713388	N40 CMT (20W-A1 SET NUT)
7	EJ-713379	TERMINAL PT262-263
8	EC-713380	C EC H 1R5 FP 50.0DC
9	EC-713381	C EC H 6R8 FP 50.0DC

MODEL SW–A2

REF. NO.	PARTS NO.	DESCRIPTION
1	TS-713478	GRILL SW-A2
2	SS-713397	SPEAKER WOOFER 25W-A2 6 OHMS 250MM
3	SS-713398	SPEAKER MID RANGE 12M-A2 8 OHMS 120M
4	SS-713399	SPEAKER TWEETER 5T-A2 7 OHMS 57MM
5	ZS-713400	6WS40x16BZN (12M-A2/5T-A2 SET SCREW)
6	ZS-713401	6WS50x20BZN (25W-A2 SET SCREW)
7	ZS-713387	WS BID30x13BZN (TERMINAL SET SCREW)
8	EJ-713379	TERMINAL PT262-263
9	EC-713394	C EC H 2R2 FP 50.0DC
10	EC-713396	C EC H 8R0 FP 50.0DC

MODEL SW–A3

REF. NO.	PARTS NO.	DESCRIPTION
1	TS-713477	GRILL SW-A3
2	SS-713407	SPEAKER WOOFER 30W-A3 8 OHMS 300MM
3	SS-713408	SPEAKER MID RANGE 12M-A3 8 OHMS 120M
4	SS-713409	SPEAKER TWEETER 5T-A3 8 OHMS 50MM
5	ZS-713400	6WS40x16BZN (12M-A3/5T-A3 SET SCREW)
6	ZS-713401	6WS50x20BZN (30W-A3 SET SCREW)
7	ZS-713387	WS BID30x13BZN (TERMINAL SET SCREW)
8	EJ-713379	TERMINAL PT262-263
9	EC-713380	C EC H 1R5 FP 50.0DC
10	EC-713396	C EC H 8R0 FP 50.0DC

MODEL SW–A7

REF. NO.	PARTS NO.	DESCRIPTION
1L	TS-713076	FRONT GRILLE (L) SW-A7
1R	TS-713075	FRONT GRILLE (R) SW-A7
2	SS-713077	SPEAKER 30W-A7 6 OHMS 180W
3	SS-713078	SPEAKER 4DM-A7 6 OHMS 20W
4	SS-713079	SPEKAER 1.6DT-A7 6 OHMS 5W
5	SK-713084	KNOB (CENTER)
6	SK-713085	KNOB (ROUND)
7	EJ-713086	TERMINAL BOARD
8	ZS-713080	SCREW TAPPING 1x4x14 (TERMINAL BOARD SET SCREW)
9	ES-713093	SW ROTARY
10	EO-713087	COIL 0.2MH
11	EO-713088	COIL 0.7MH
12	ER-713091	R 6W 1R5
13	EC-713089	C EC NP 8R2 50.0DC
14	EC-713090	C MY 1R0 200DC
15	ZS-713083	SCREW METAL 1x5x25 (30W-A7 SET SCREW)
16	ZS-713082	SCREW MATAL 1x4x25 (4DM-A7/1.6DT-A7 SET SCREW)